

ABSTRACT OF THE DISCLOSURE

Conventional single-piece molded-type inductors are made by pressure-molding magnetic particles of ferroalloy, and have a problem that their insulation resistance drops sharply when placed in a high-temperature environment. Complex magnetic powder is obtained by mixing ferrous crystalline alloy magnetic powder with ferrous amorphous alloy magnetic powder, a connecting agent of 1 wt % to 10 wt % of the mixed magnetic powder being additionally mixed therein, producing a complex magnetic material for use in electronic components. Furthermore, a core is pressure-molded from the complex magnetic material, and a coil is buried in the core to obtain a magnetic element, such as an inductor.